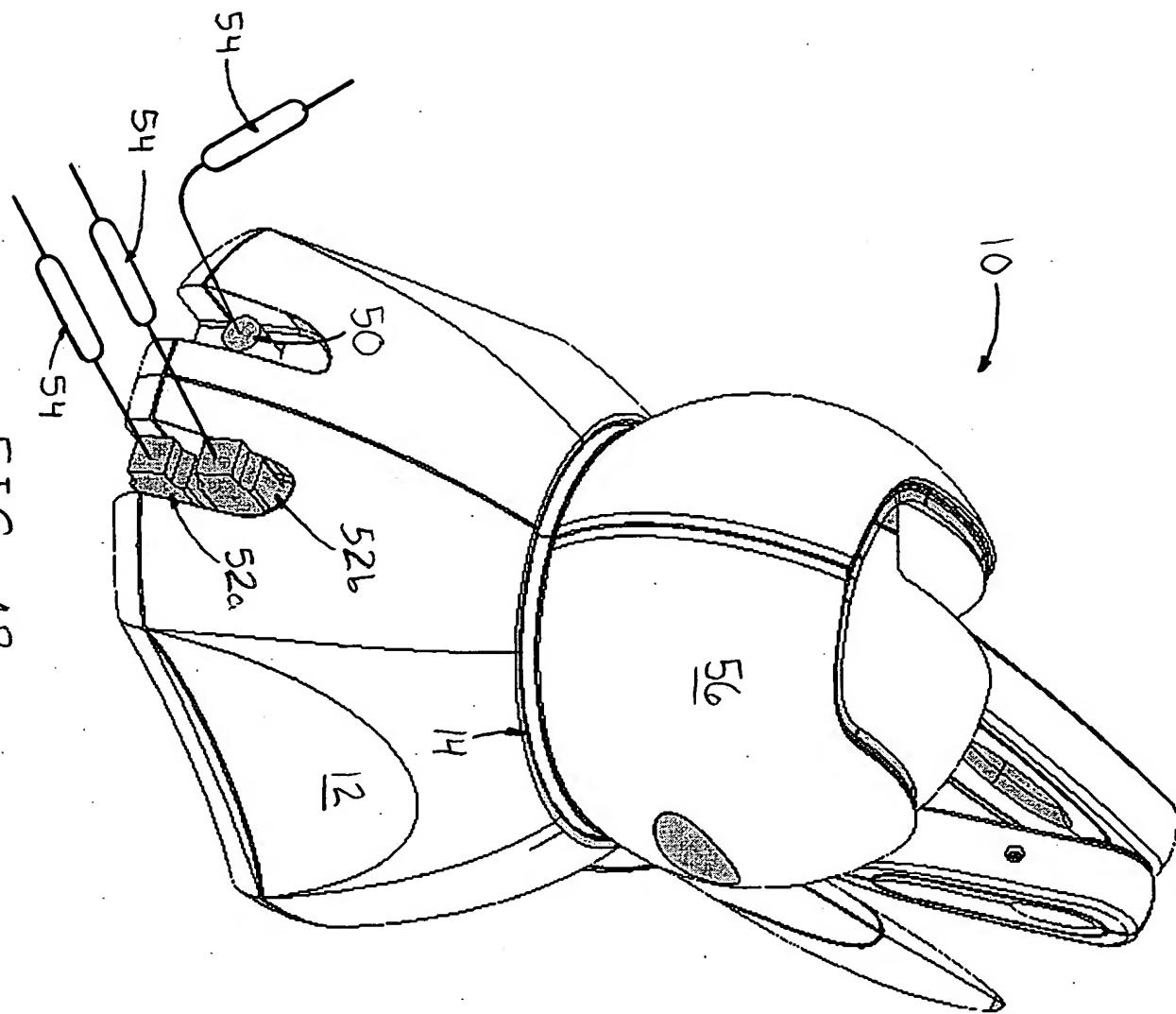


FIG. 1A

FIG. 1B



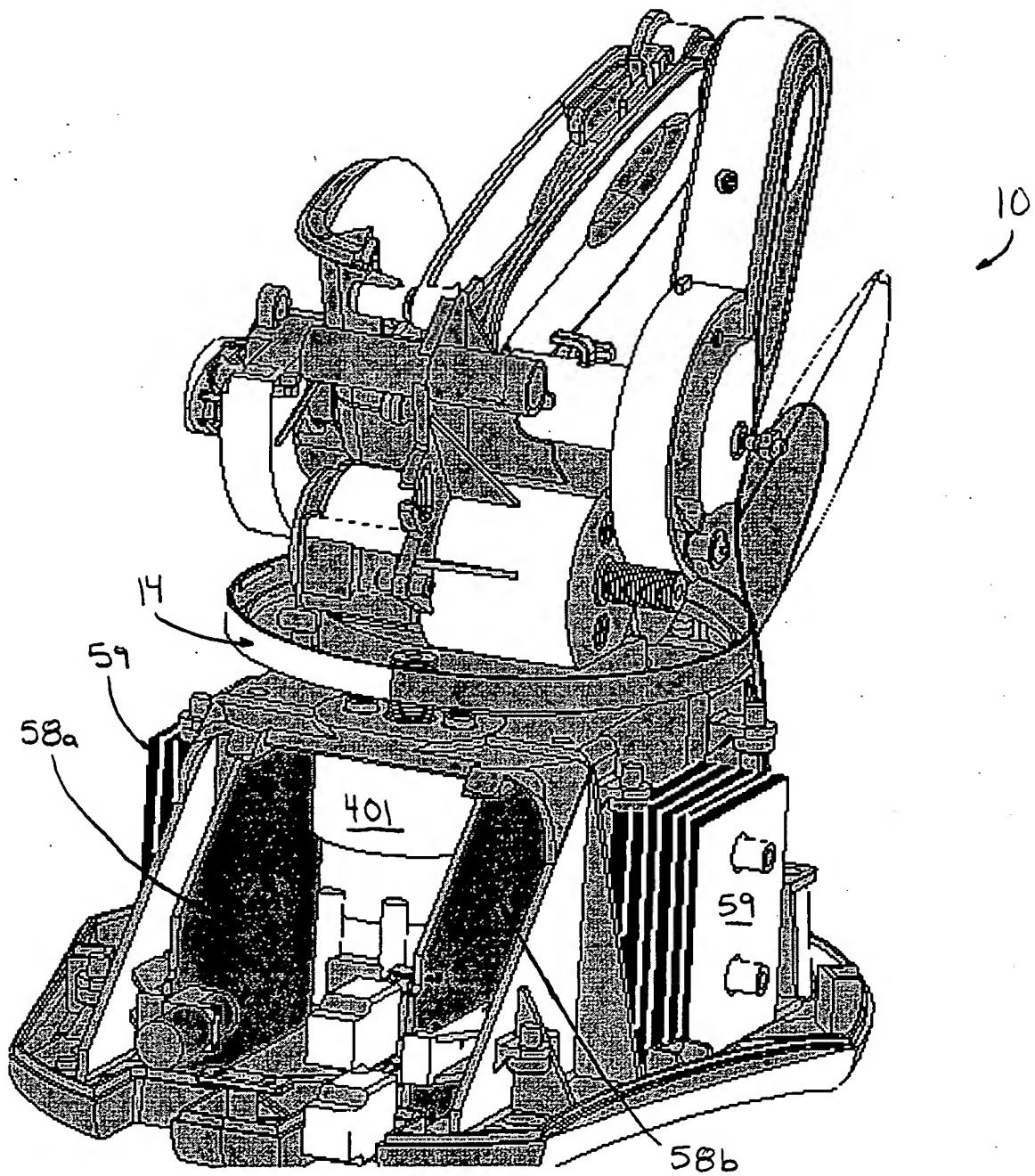
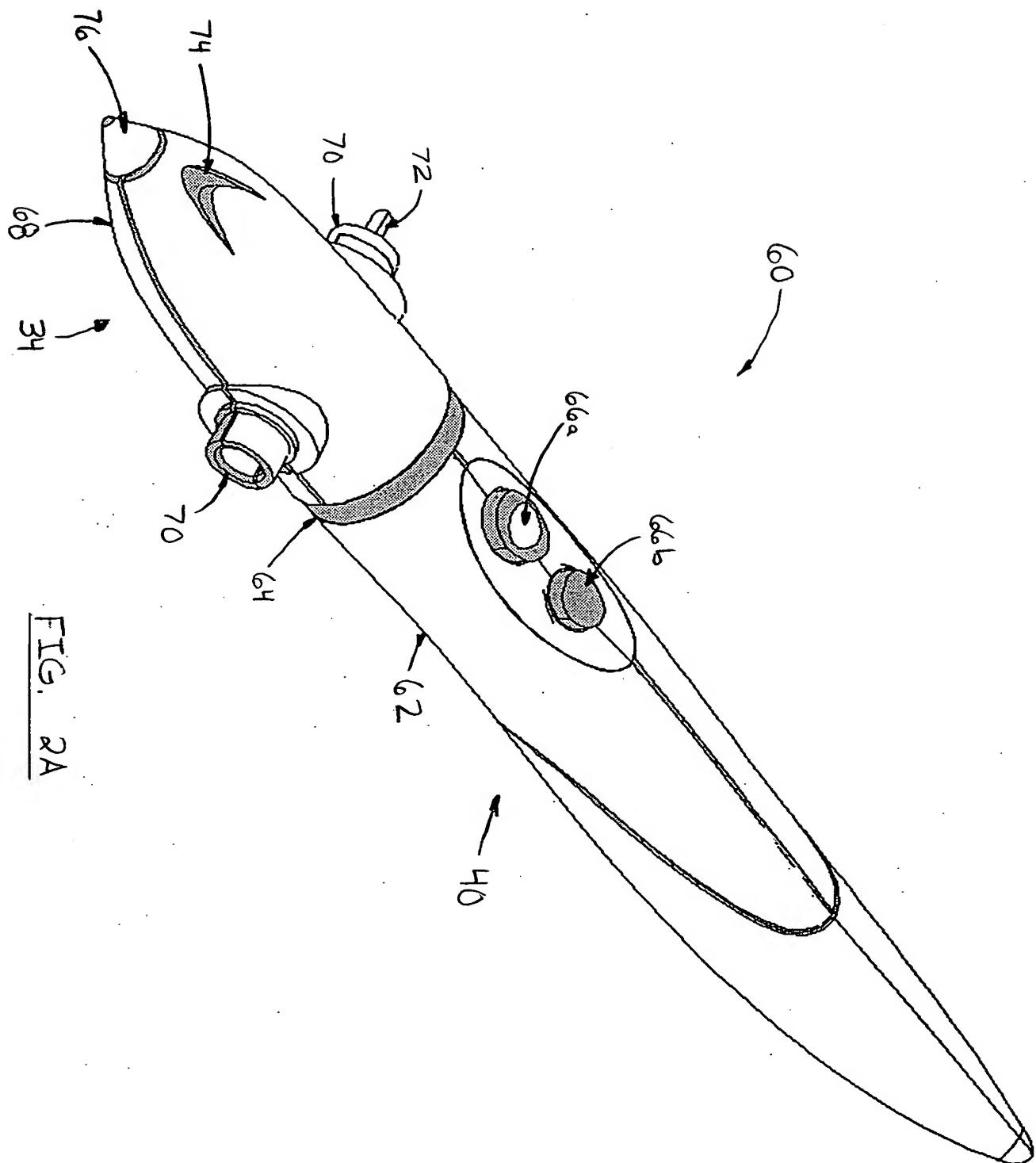


FIG. 1C



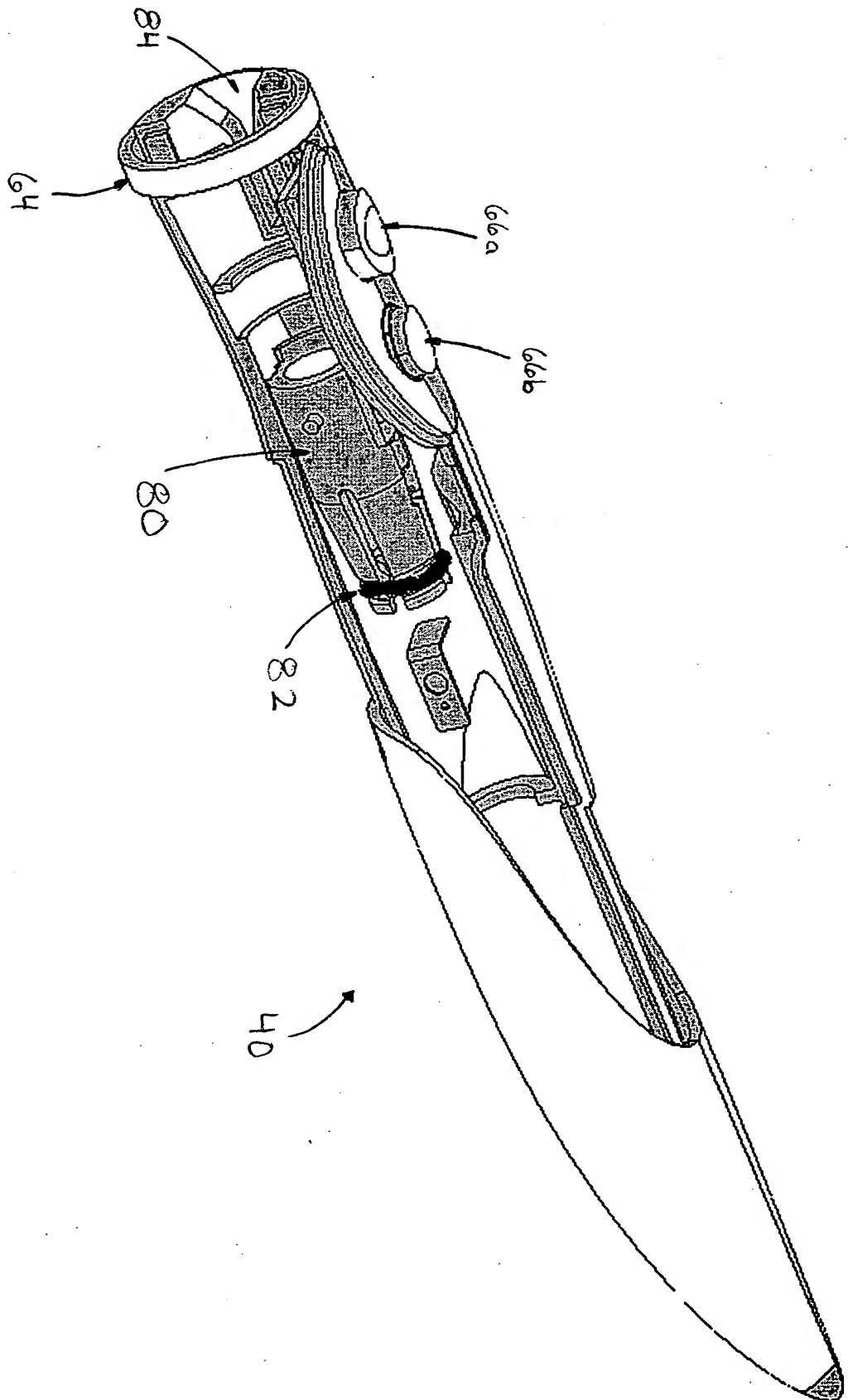


FIG. 2B

FIG. 2C

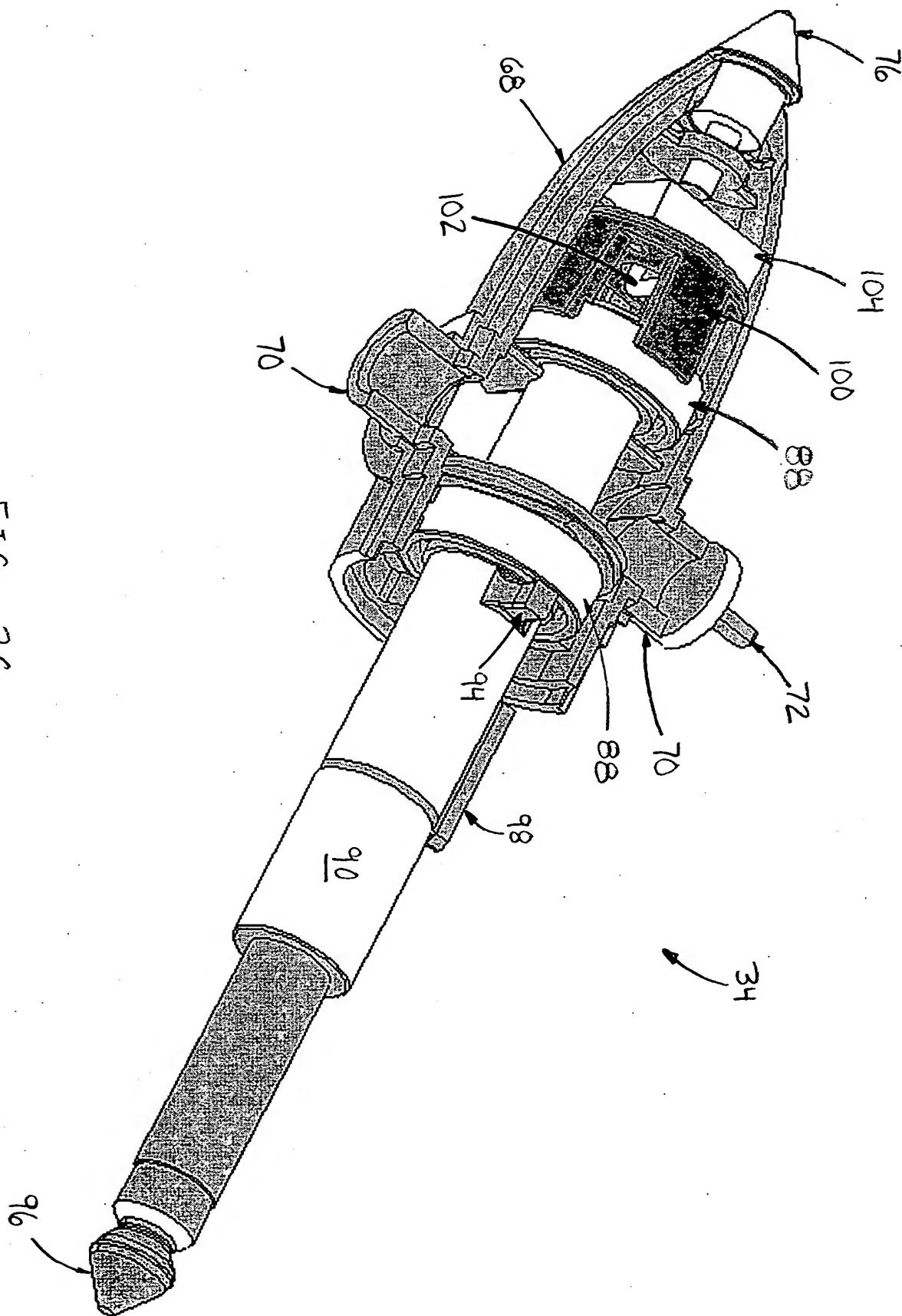
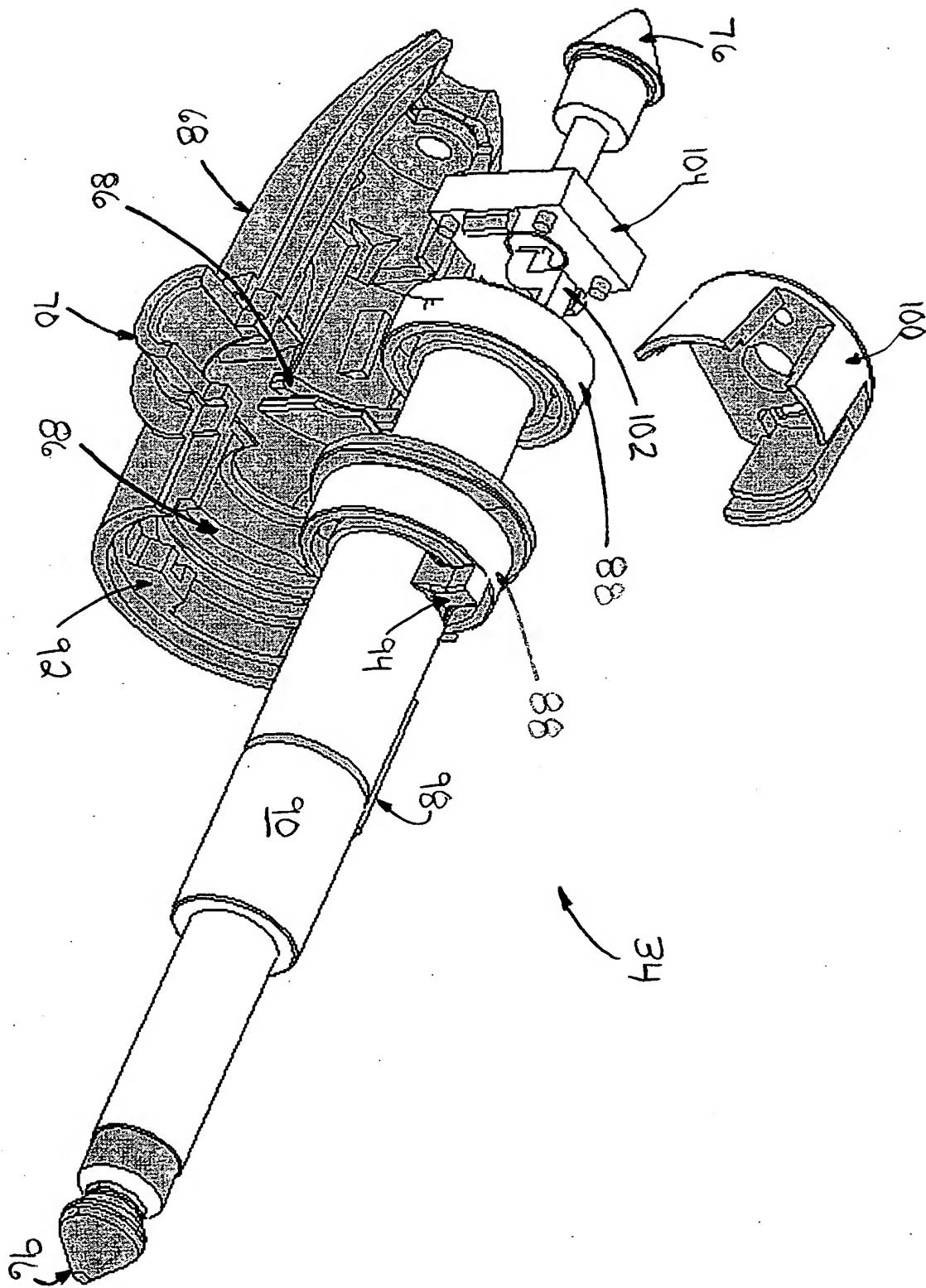


FIG. 2D



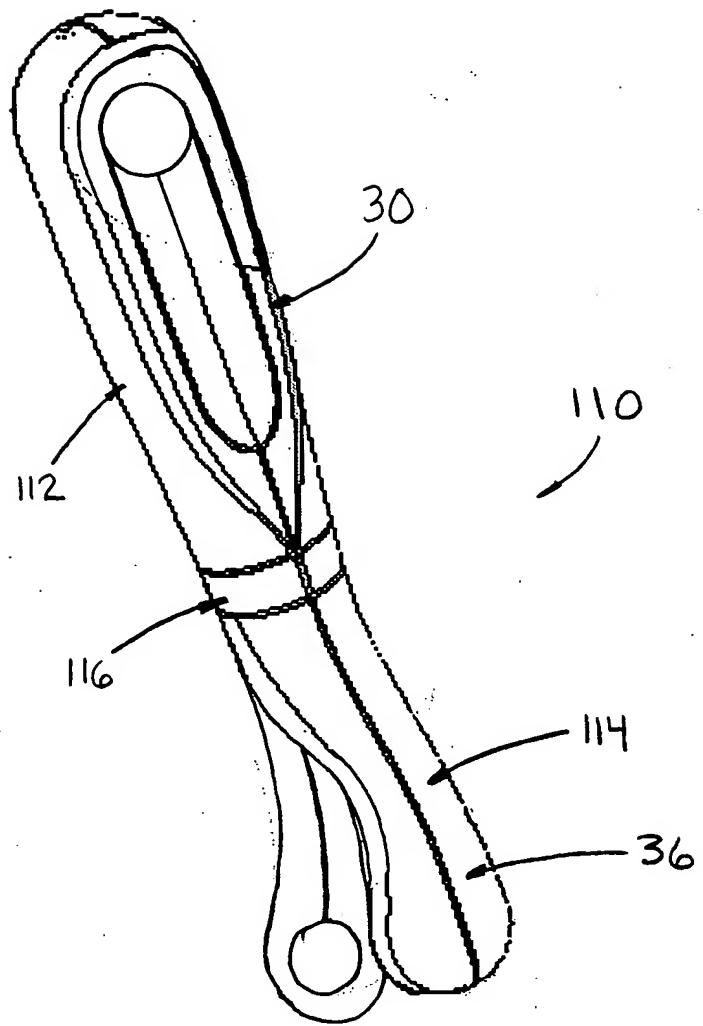
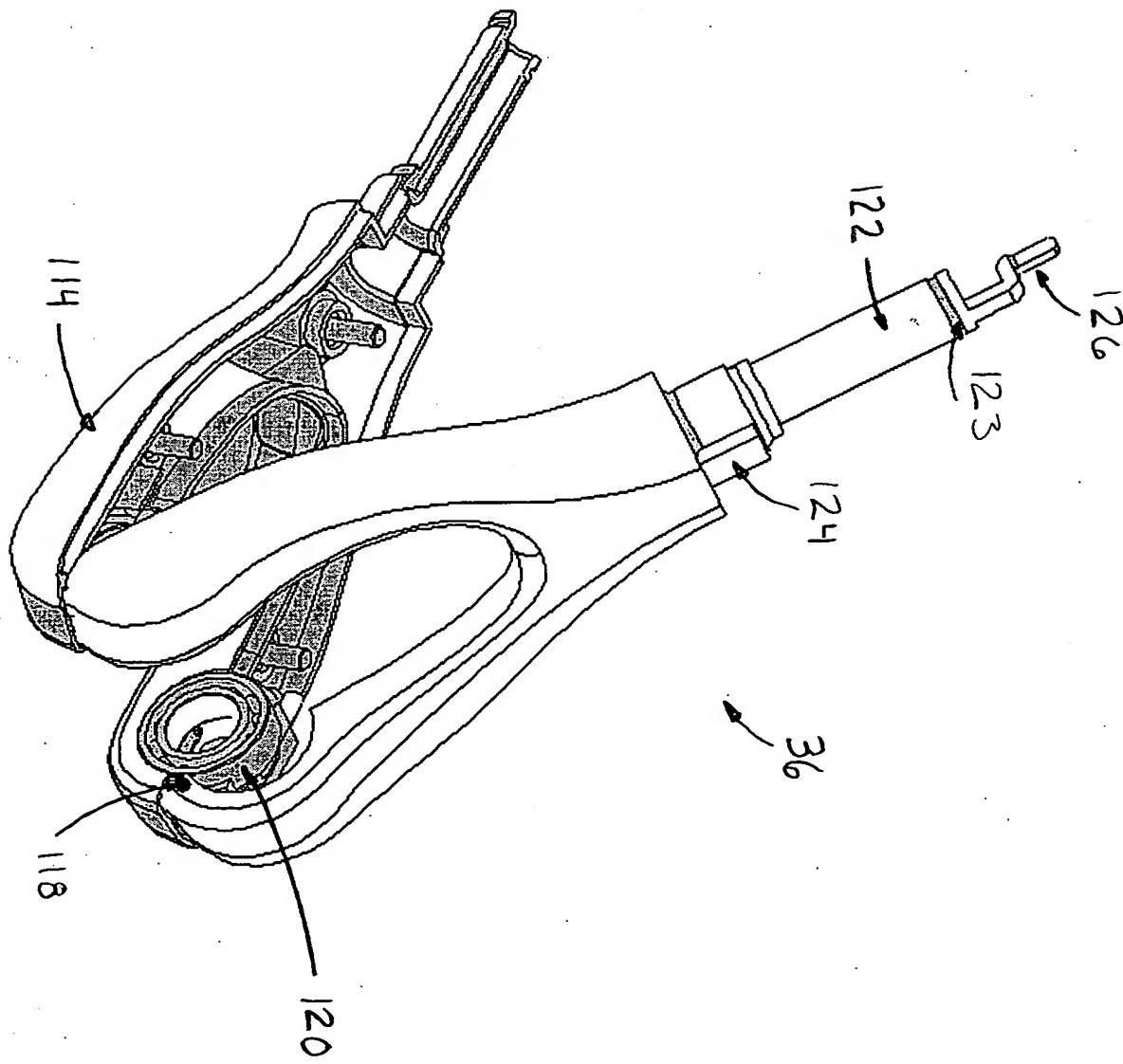


FIG. 3A

FIG. 3B



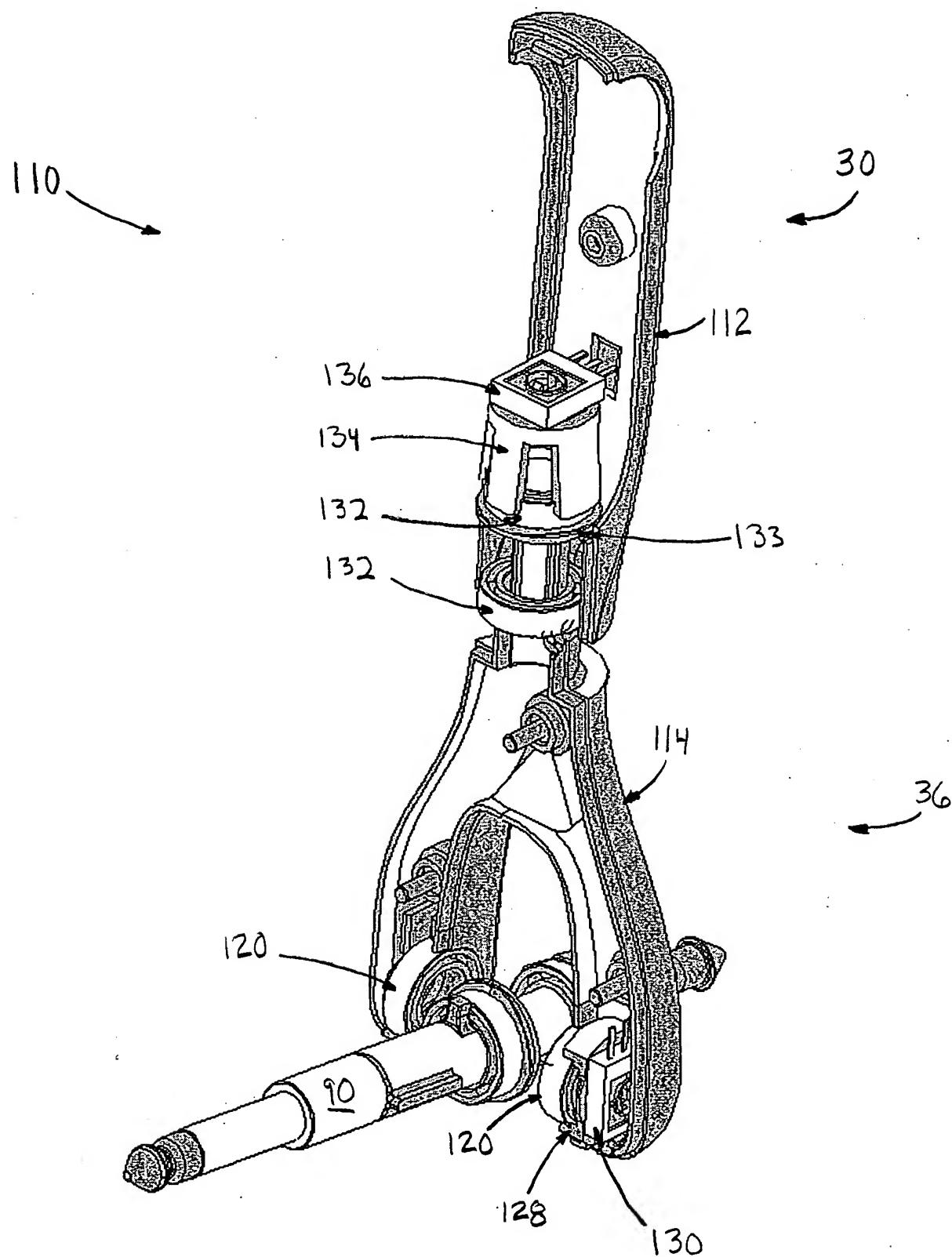
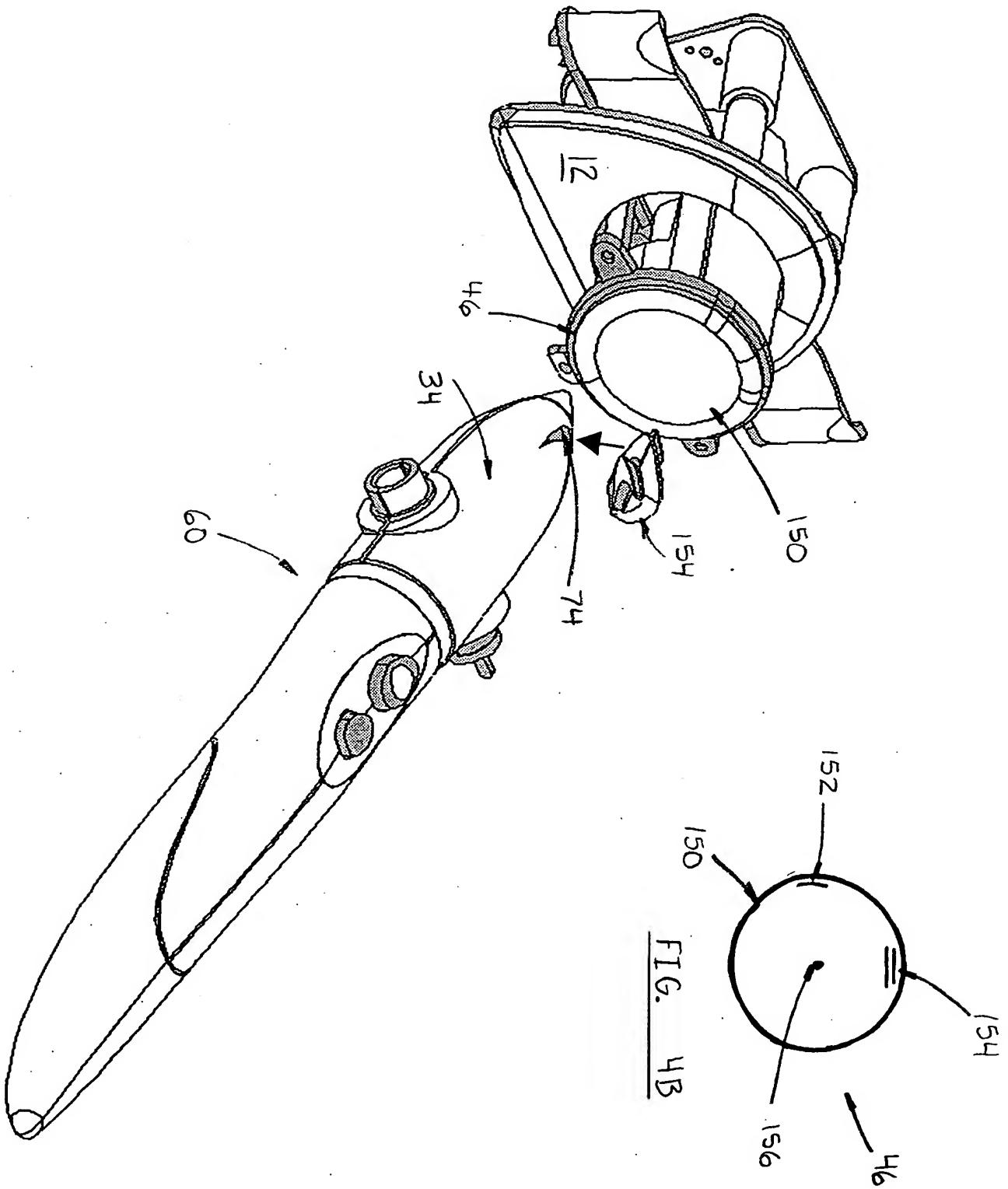


FIG. 3C



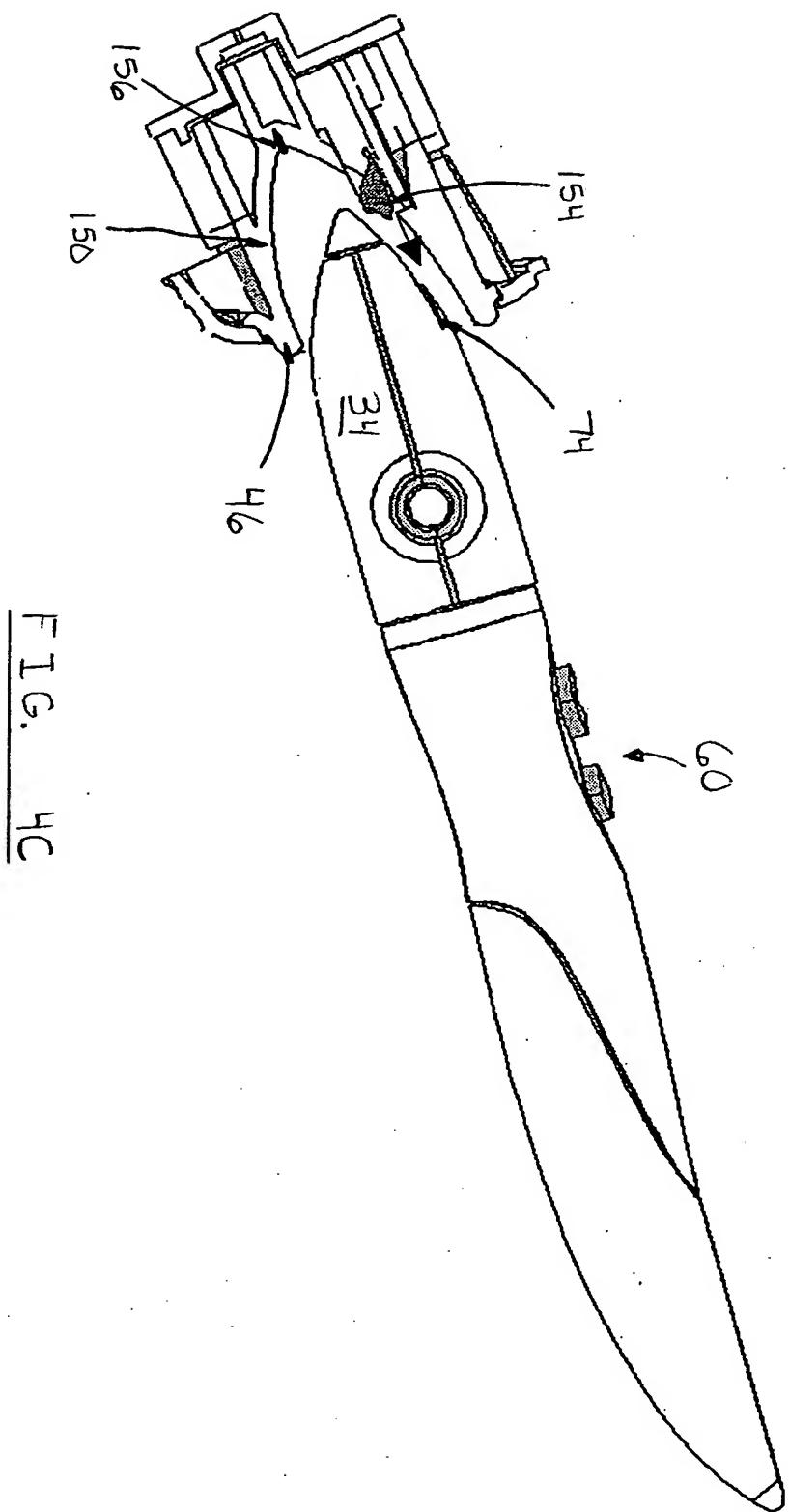
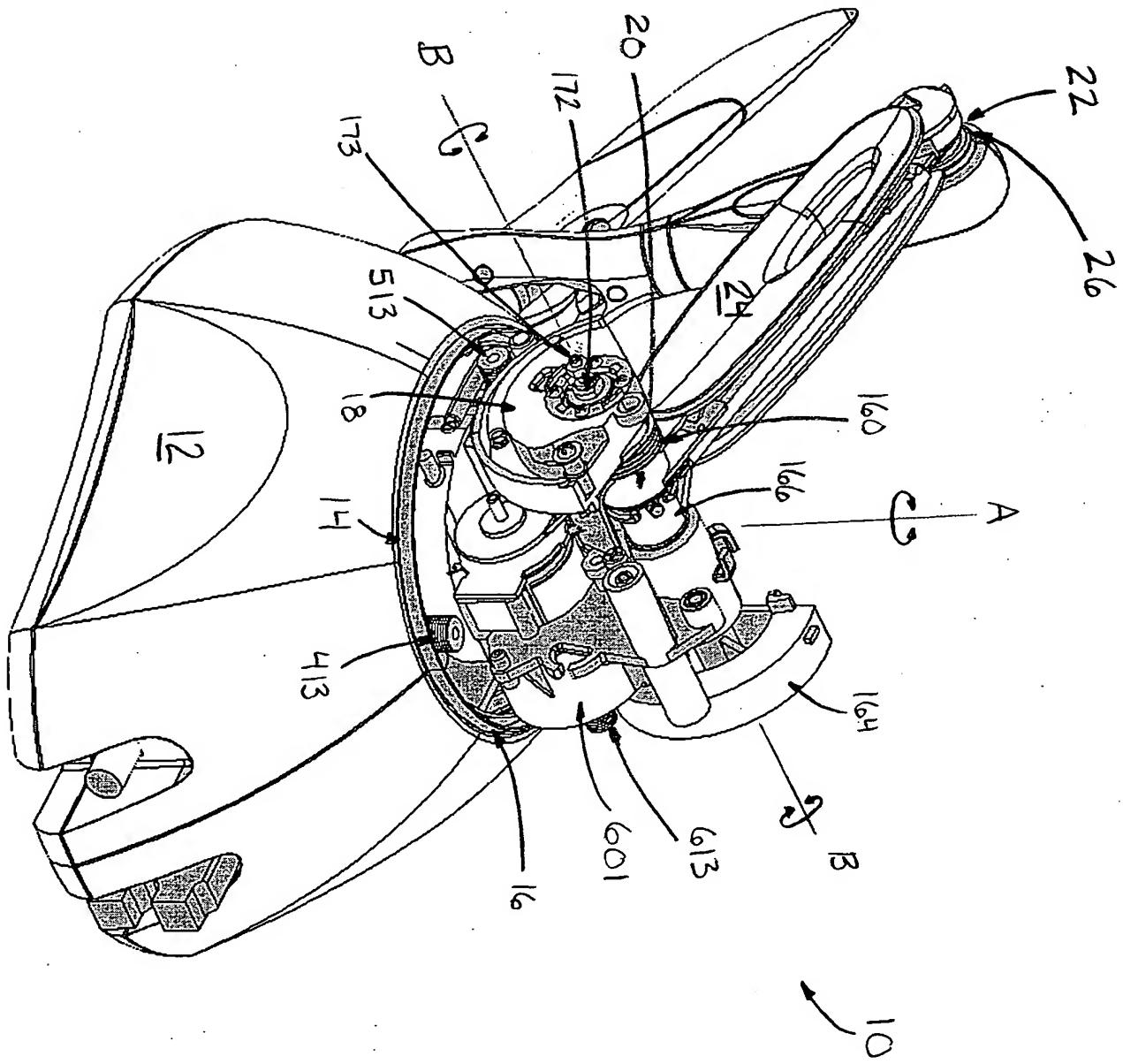
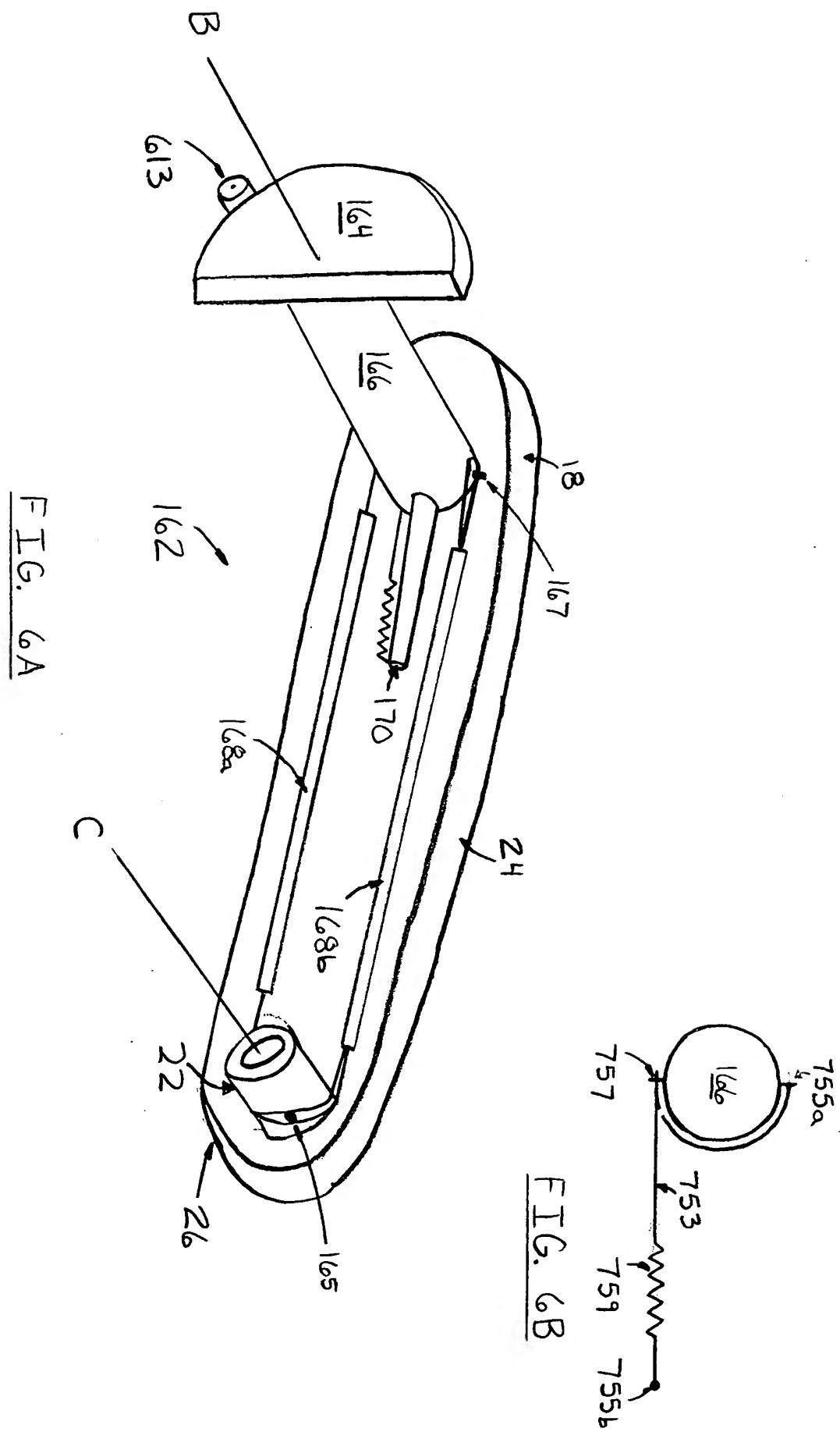


FIG. 5





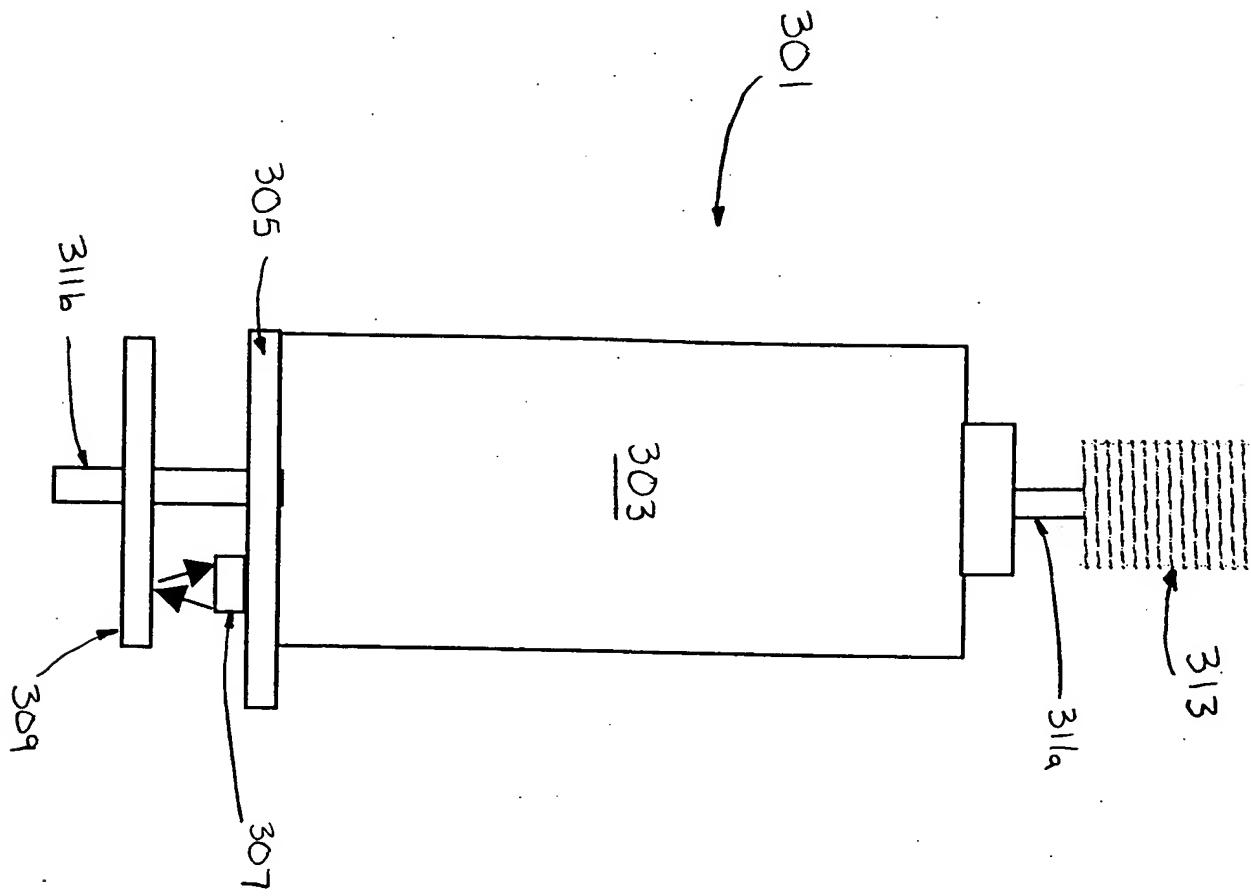


FIG. 7

FIG. 8B

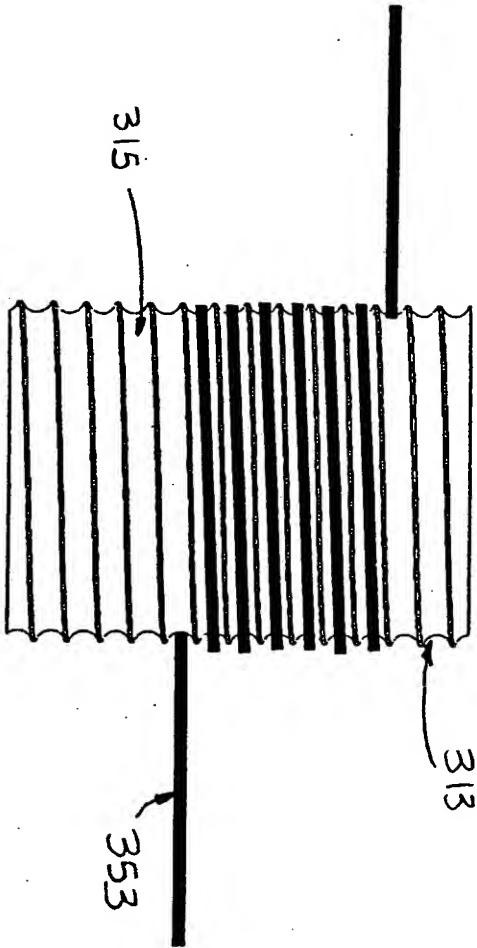
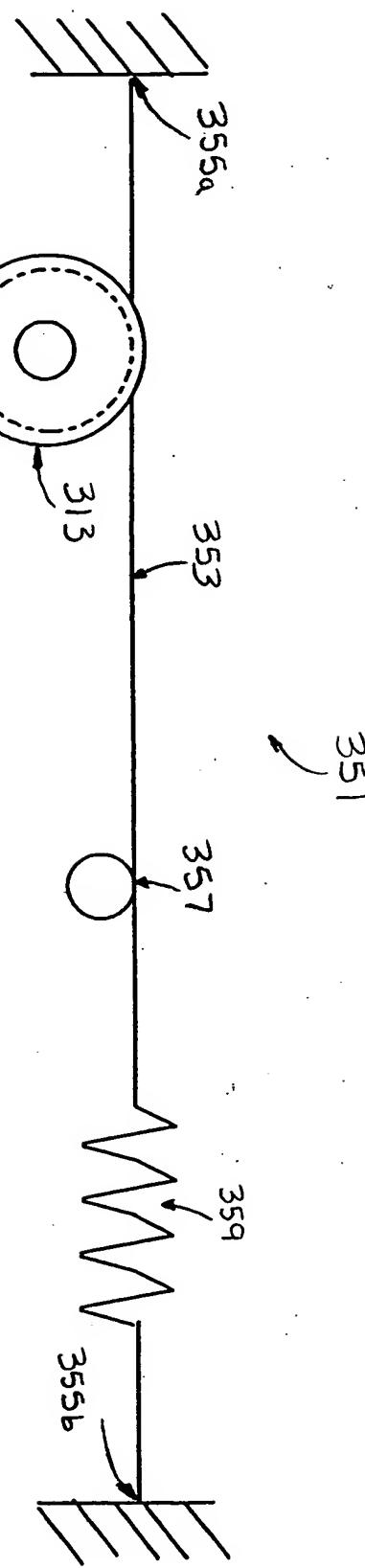


FIG. 8A



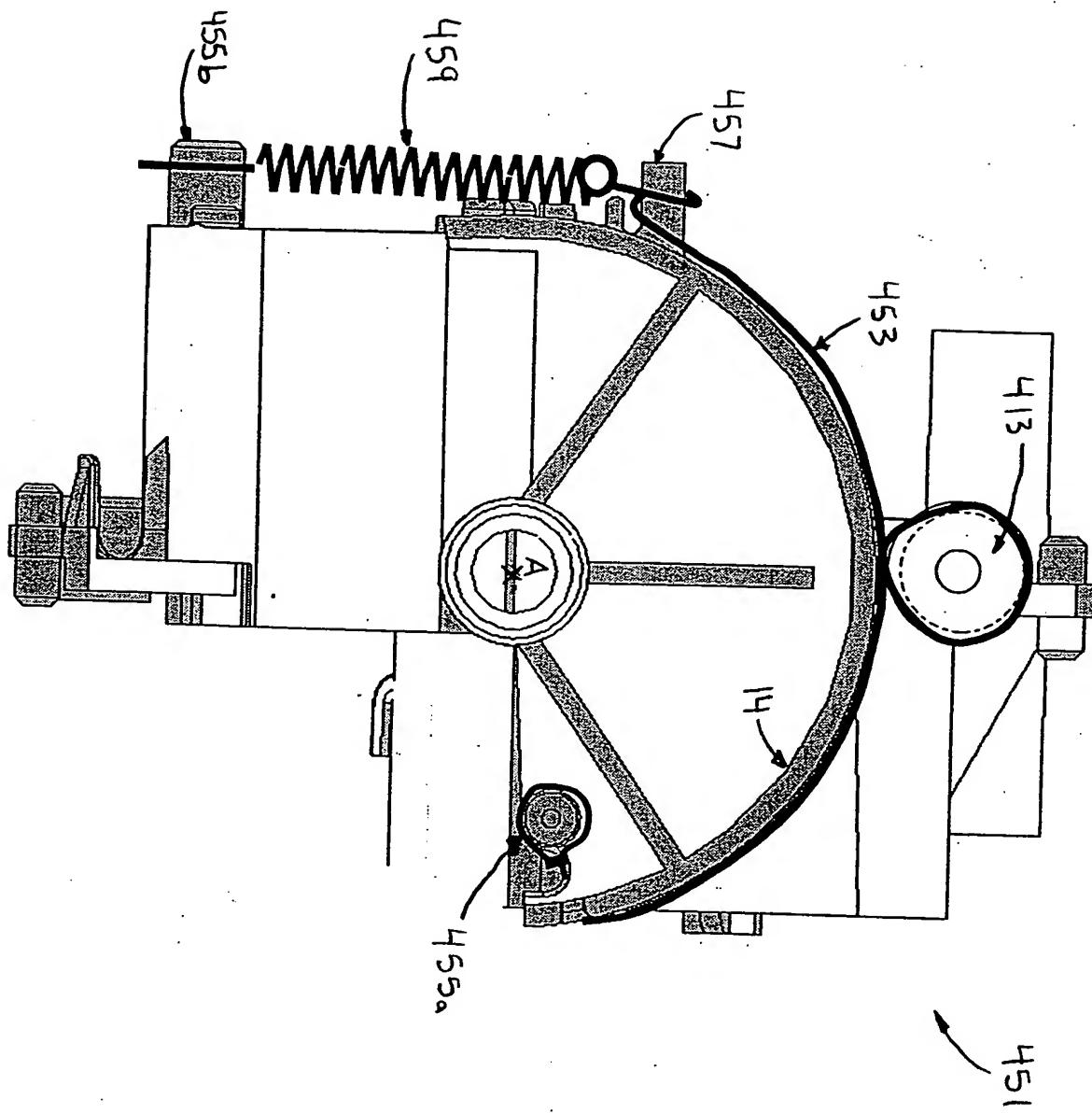


FIG. 8C

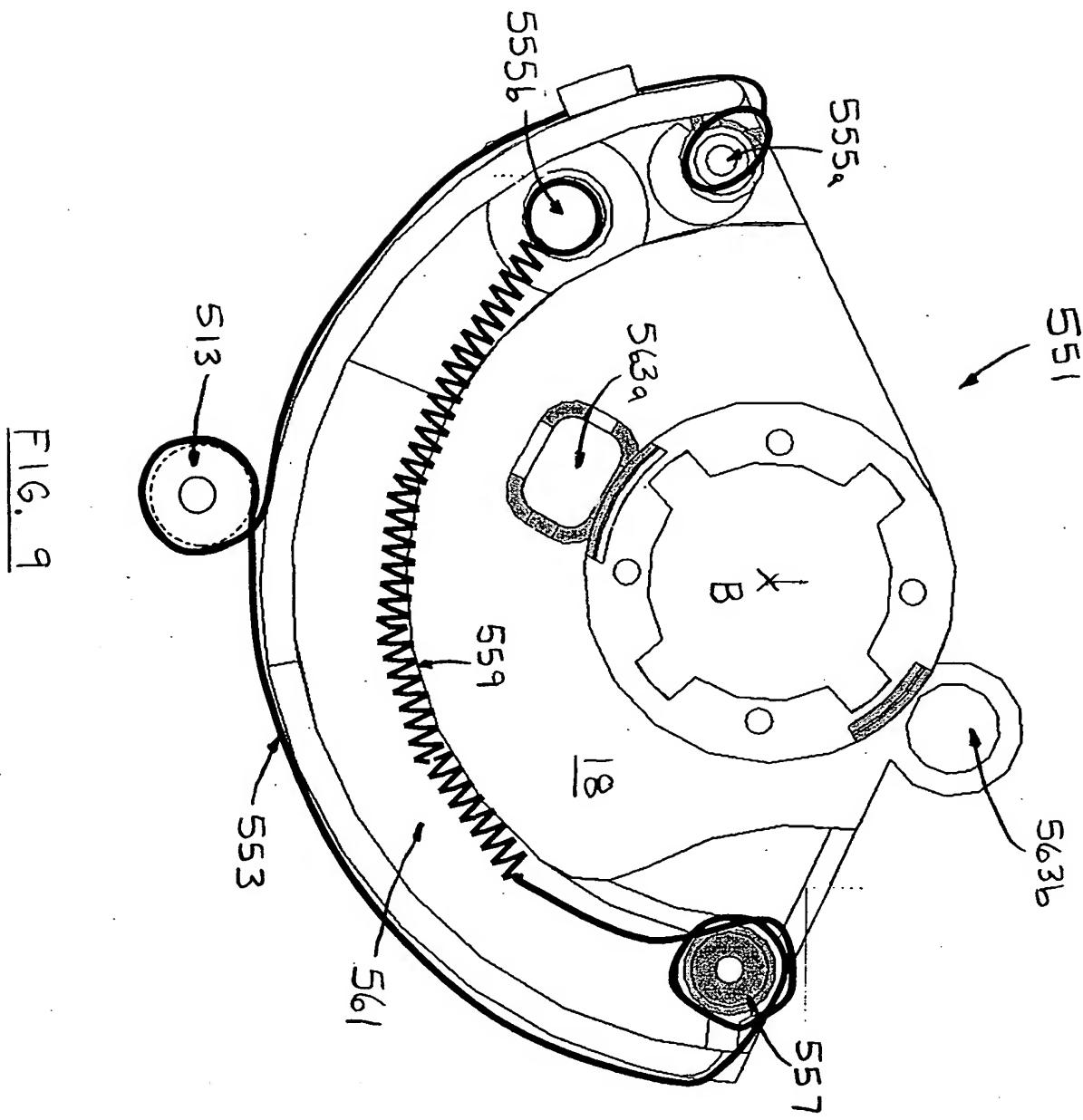
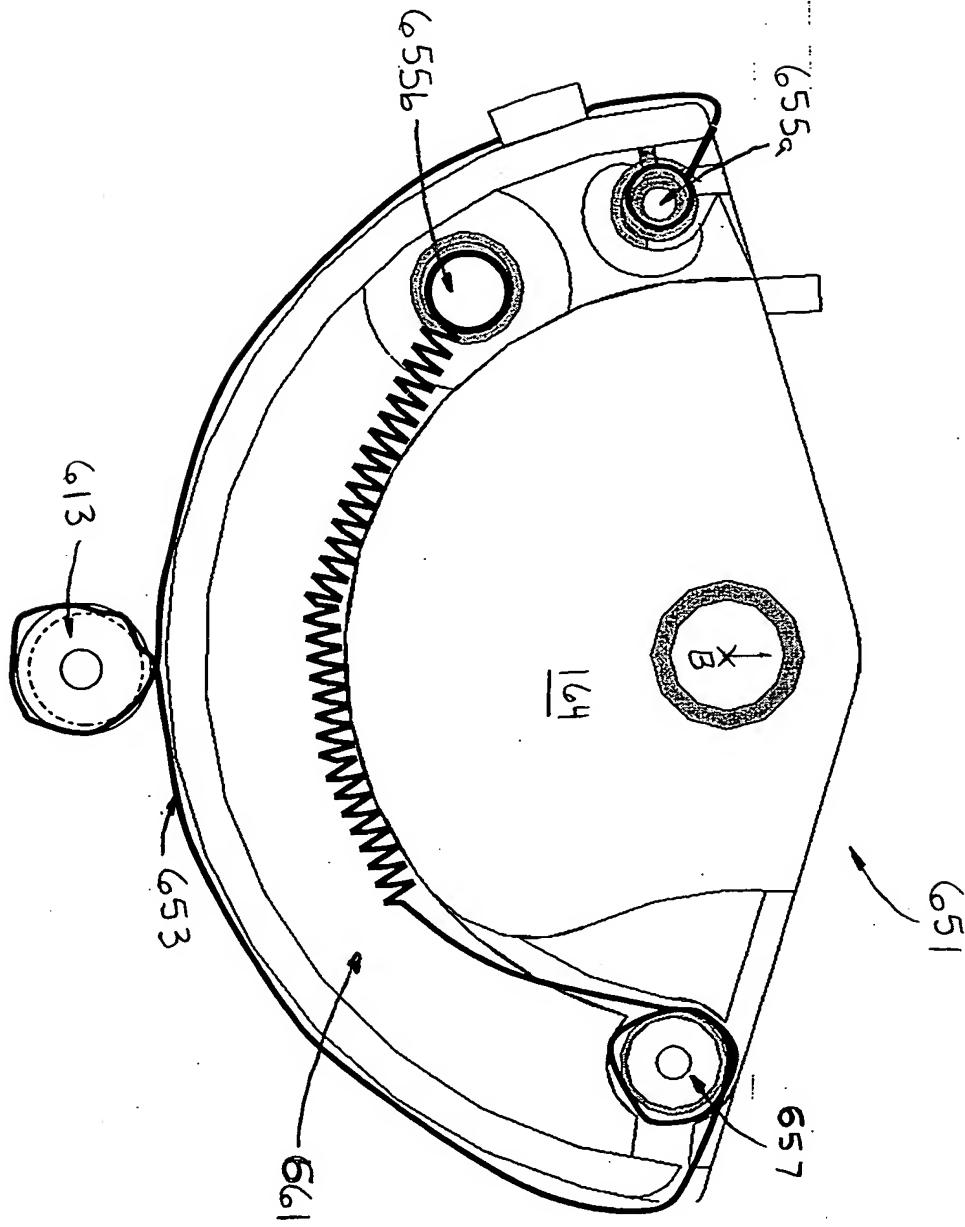


FIG. 10



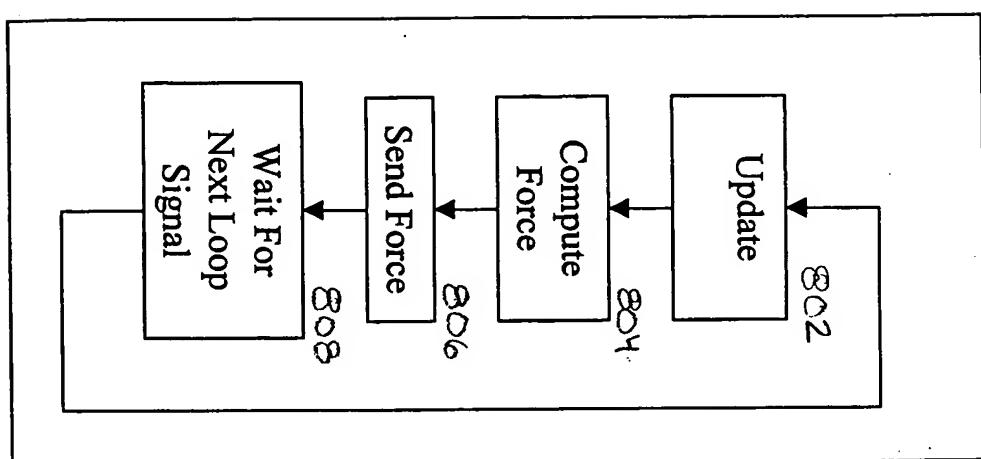


FIG. 11A

800

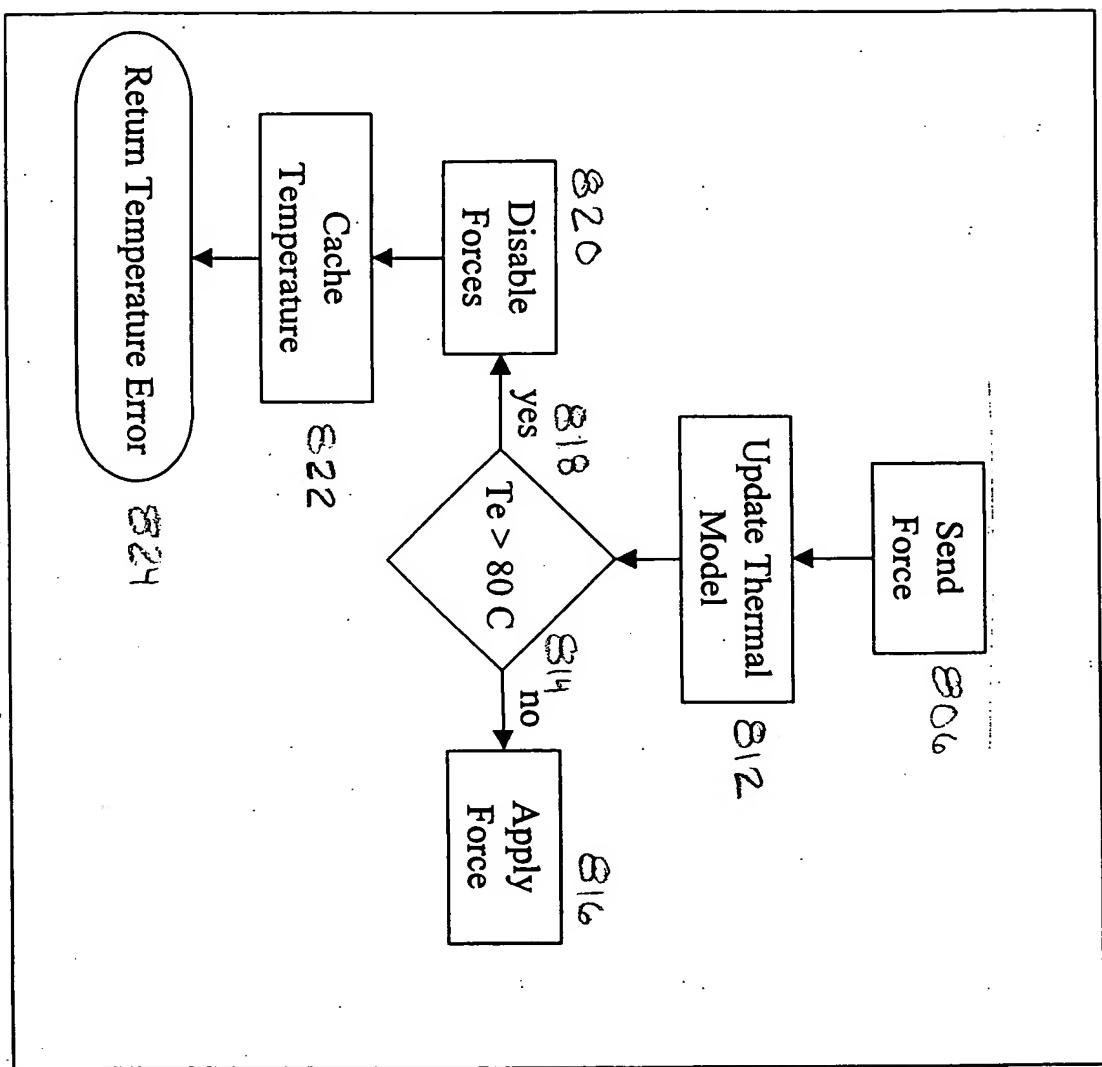


FIG. 11B

810

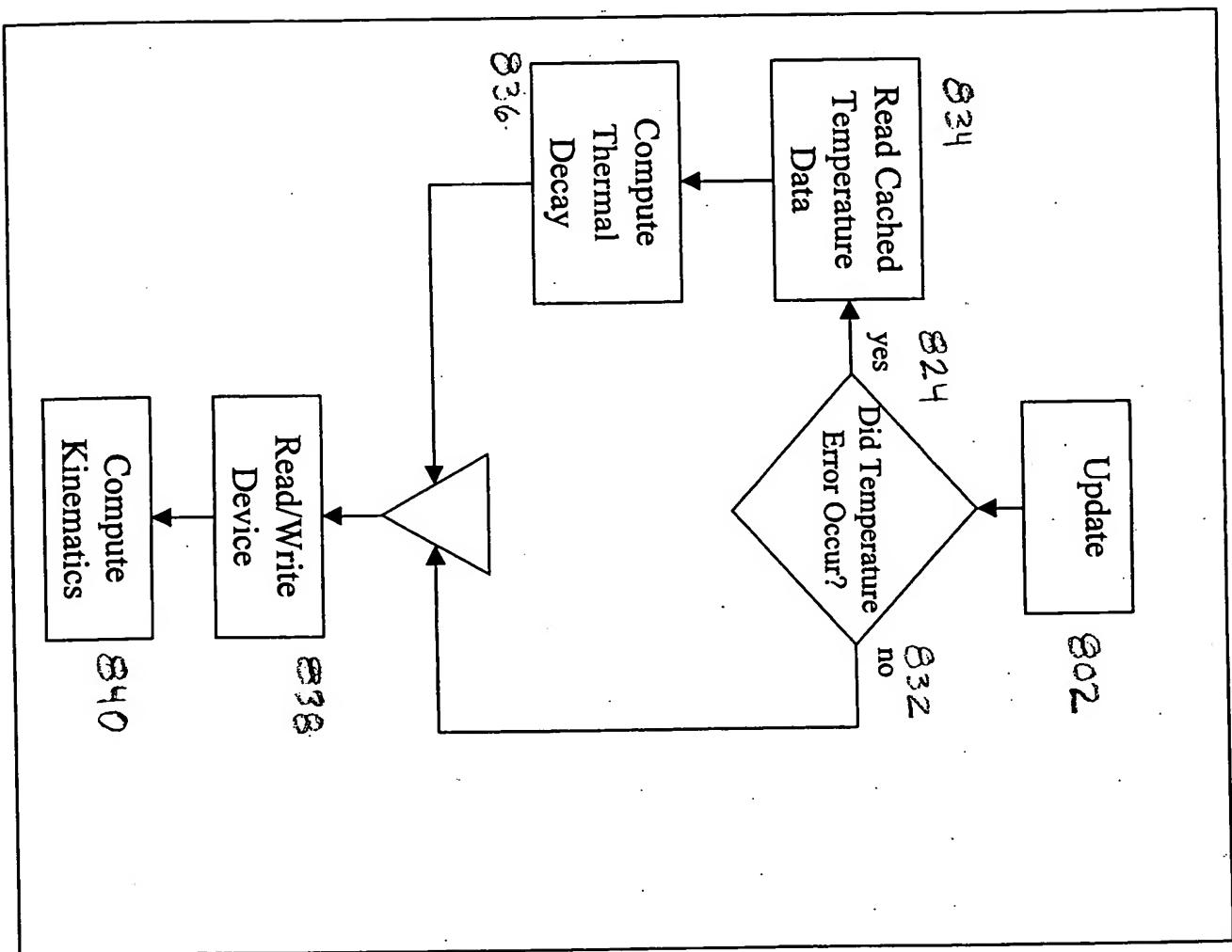


FIG. 11C

830

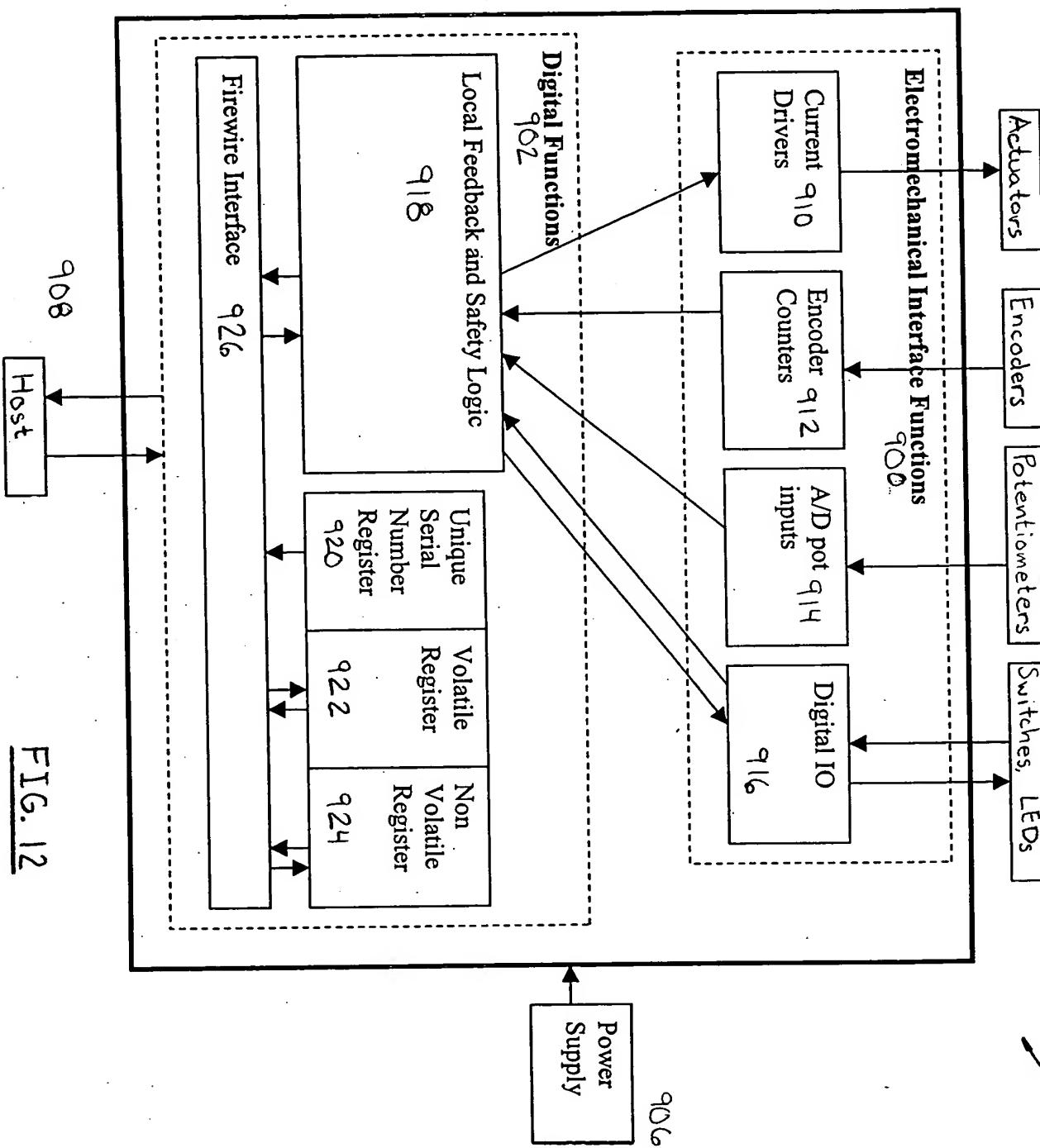


FIG. 12

Title: Force Reflecting Haptic Interface
Inventors: Massie
Attorney Docket No. SNS-011 (7268/18)
Serial No. not yet assigned Filed: 10/30/03
Sheet 24 of 24
Express Mail Label No.: EV260610469US

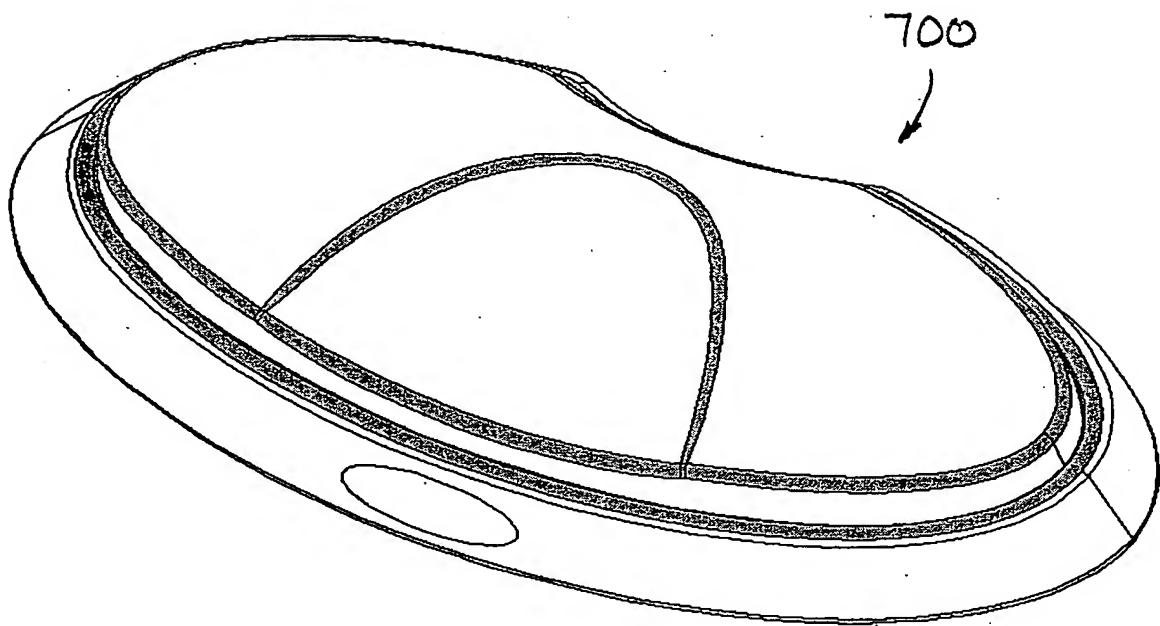


FIG. 13